

Topic 3. Changes in hydrological pathways

A potential effect of climate change will be an increase in precipitation, both with respect to the amount as well as the intensity and frequency. In addition will the predicted increase in temperature result in shorter winter periods and changes in both frozen soils and the number of freeze/thaw cycles and snow melting. Changes in climate can also lead to more frequent drought periods. Knowledge about the potential effects of changes in precipitation and temperature on the hydrological flowpaths are important as these also will affect the nutrients and soil loss processes. The seminar wants to address both aspects of climate change on these processes.